

# Connor C. Palmore

Physicist with a keen interest in data analytics and open computing.  
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## Experience

### Metrology Engineer, **Microchip Technologies Inc.**, (May 2021 - Present)

- Managed 20+ automated optical thin film measurement tools
- Maintained & synchronized databases critical to production measurements
- Performed statistical studies to verify metrology data using JMP
- Built automation library and other utilities using Python
- Created calculators to determine oxide & nitride injection flows using C

### Network Technician, **University of Colorado**, (May 2019 - May 2020)

- Mapped fiber optic network infrastructure
- Resolved 2nd level network issues using Fluke Corp. equipment
- Supported telecom and wireless teams in projects and troubleshooting

### Helpdesk Technician, **University of Colorado**, (Sep 2018 - May 2019)

- Provided 1st level IT support to staff & students
- Configured/imaged Windows & MacOS devices

### Ranch Hand, **Flat Acres Farm**, (2014 - 2016 seasonal)

### Eagle Scout & Youth Leader, **Boy Scouts of America**, (2010 - 2019)

## Education

### BS of Physics (focus Energy Science), **University of Colorado**, (May 2022)

- Designed controller & thermal dispersion for the Hyperfalcos Hyperloop Competition
- Co-founded UCCS Physics group encouraging student collaboration (30+ members)
- Simulated electrical grid scale packetized energy management technique using Python
- Simulated Atlas V rocket launch using Mathematica
- Honor Society

### Administrator, **Home Server Lab**, (2017 - Present)

- Administered secure and public web applications (nextcloud, traefik, wikis, etc.)
- Managing networking (DNS, routing, NAT, VPN, TLS/SSL/HTTPS, pfsense, virtual networks)
- Configuring enterprise virtualization (QEMU/KVM) and containerization (docker, podman)
- Scripting, automating, and documenting processes (BASH, Python, Markdown)
- Designing for robustness storage systems (RAID, LUKS, LVM)

## Skills

- Physics, mathematics, statistics, data analysis
- Python, C, MATLAB, Mathematica, Markdown, HTML, CSS,
- Computer security, virtualization, containerization, networking, web administration
- Group management, leadership, public speaking, documentation